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"Some Successes and Failures of the American College."

LECTURES at the University of Wisconsin by Professor W. M. Davis, of Harvard University, will be given as follows: Two lectures on the Art of Geographical Description—Friday, January 20, "The Range of the Colorado Rockies"; Saturday, January 21, "A Study of the Italian Riviera." Two lectures on the Disciplinary Value of Geography—Monday, January 23, "The Nature of Proof"; Monday, January 23, "The Art of Presentation in Contrast with the Science of Investigation." Before the Science Club—Friday evening, January 20, "The Lessons of the Grand Canyon of the Colorado."

THE Colleges of Engineering of the University of Illinois and Purdue University arrange each year a series of exchange lectures delivered by the members of the faculty of each institution. The first lecture delivered at Illinois this year was by Professor C. R. Moore, of Purdue, on "Power Manufacture and its Dangers."

DR. J. A. L. WADDELL, the bridge engineer of Kansas City, recently delivered two lectures before the faculty and students of the College of Engineering of the University of Illinois, one a technical talk on "Materials of Bridge Engineering and Foundations" and the other a general lecture on bridge construction.

THE death is announced of Captain G. E. Shelley. After a short service in the Grenadier Guards, Captain Shelley retired from the army and devoted himself entirely to ornithology, especially to that of Africa.

THE seventeenth annual meeting of the New York Zoological Society will be held in the Hotel Waldorf-Astoria, on Tuesday, January 10, at 8.30 o'clock P.M. Moving pictures showing the roping and capture of wild animals will be exhibited, and a series of colored slides showing whaling in Japanese seas will be presented by Mr. Roy C. Andrews.

IN addition to the £2,500 voted to Captain Scott for his Antarctic expedition by the Australian commonwealth, a sum of equal amount

has been contributed by a private donor in New Zealand, where Captain Scott has also met with liberal gifts in the form of stores.

A DESPATCH from Paris tells of the burning of the branch of the Pasteur Institute at Garches, near Paris, on December 7. The branch was located in the Chateau Villeneuse l'Étang.

UNIVERSITY AND EDUCATIONAL NEWS

PUBLIC benefactions aggregating \$370,000 are provided in the will of the late Mrs. William O. Moseley, of Newburyport, Mass. Two hundred thousand dollars are left to the Anna Jaques Hospital, of Newburyport, and \$60,000 to Harvard University for the establishment of two fellowships to enable medical students of marked ability to pursue their medical studies abroad.

THE next New Hampshire legislature will be asked to appropriate \$163,000 for the State College, including \$80,000 for a new engineering building and \$40,000 for general expenses. The board of trustees are unanimously in favor of changing the name of the college from the "New Hampshire College of Agriculture and the Mechanic Arts" to the "University of New Hampshire."

ON December 13, the board of trustees of the University of Illinois held their quarterly meeting at which the heads of the various university departments presented their requests for legislative appropriations for the biennium 1911-13. Large amounts were asked for buildings by the College of Agriculture, by the School of Education and College of Engineering, and for a school of Commerce.

A GIFT of \$500,000 to Dartmouth College by Mr. Edward Tuck, has been announced. The donor states the object of his gift in the following words:

I present these securities to the college to be added to the present Amos Tuck endowment fund. I desire the income from them to be applied as was the purpose of my original foundation of the fund of 1899, to the improvement of the existing

scale of salaries of the faculty of the college in all its departments as now constituted, and as increased later by the addition of the new professors and instructors including a librarian. I wish the trustees of the college to apportion the additional income received from the gift according to the relative importance and value, in their best judgment, of the services rendered in the different chairs, with due regard to length of service and to personal distinction.

A REUTER message from Kimberley states that the De Beers Company has made a donation of £25,000 towards the founding of a South African university.

FOR the purpose of furthering the educational relations between Germany and the United States, the announcement is made by Dr. Ernest Richard, of Columbia University, that a tour has been planned whereby American students can visit some of the leading German universities and come in personal contact with the German students and their ways of living. The tentative itinerary, in part, follows: Hamburg, Berlin, Leipzig, Goslar, Harz, Jena, Weimar, Dresden, Prague, Vienna, Nuremberg, Munich, Zurich, Strasbourg, Heidelberg, Mainz, Wiesbaden, Frankfurt, Halle, Marburg, Bonn, Cologne, Essen, Dinsburg, Dusseldorf, Bremen and London. The cost of the trip, which will last from sixty to sixty-three days, will be \$600.

MR. HORACE G. PERRY, in 1909-10 assistant in botany at Harvard University, has been appointed professor of botany in Acadia College, N. S.

DISCUSSION AND CORRESPONDENCE

"GENOTYPE"

IN SCIENCE for October 28, 1910, p. 588, it is announced that the American Society of Naturalists will soon discuss "Genotypes or pure lines of Johannsen." It is not stated who is responsible for this use of the word "genotype" or whether it has ever been employed before in this sense. In any case it should be pointed out that the word "genotype," first proposed in your own pages by Dr. C. Schuchert¹ has since been used by syste-

¹ April 23, 1897, p. 639.

matic biologists in ever-increasing number to denote the type-species of a genus. The confusion of thought caused in the past by diverse uses of the word "type" in biology must not be perpetuated; hence I confidently appeal to those who want a single word for the "pure lines of Johannsen" to leave "genotype" alone with its usual significance, and indeed to avoid any word with the syllable "type" in its composition. It may save possibly trouble to point out that the concept of the "pure line" differs not only from that of the "genotype" as hitherto used, but also from that of the "genus-norm."²

F. A. BATHER

BRITISH MUSEUM (N. H.),
November 11, 1910

QUOTATIONS

ACADEMIC AND INDUSTRIAL EFFICIENCY

OUR colleges and universities have been so long under fire, and in so many ways, that it is truly surprising that the fundamental trouble with them has remained so long unrevealed. But now that—thanks to the report made by a mechanical engineer to the Carnegie Foundation—the light of modern industrial methods has been thrown upon them, there will no longer be any excuse for their persistence in evil. It may take a little time, to be sure, to put the new standards and ideals into effective operation, but that is merely a detail. The new day has dawned, and the only question that remains is what institutions will be foremost in gaining the favor of far-sighted and broad-minded men of wealth by conforming their ways to the principles of industrial efficiency. Student-time-units per professor, number of pages of standardized lecture notes, coordination of janitor-work with teaching-time, and a score of other measurements of efficiency which will occur to every competent college president, will take the place of those vague and intangible ways of estimating the merits of our institutions of learning that have hitherto prevailed. To argue the merits of the change would be a waste of words. In this age of industrial and commercial advance,

² Bather, SCIENCE, May 28, 1897, p. 844.